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ENGLISH

APPROVAL OF A JOINT UNDP/UNCDF ASSISTANCE
TO A PROJECT OF GUINEA
(MLW/89/C01) (MLW/91/003) - Borehole Rehabilitation

Date of approval by the AC:[1/]	27 November 1991
Expected duration:	45 months
Government executing agency:	Department of Water Development (Ministry of Works)
Source of funds:	IPF
Proposed UNDP contribution:	$1 238 000
Source of funds:	UNCDF General Resources

Project background

The Government of Malawi seeks for the water sector the provision of clean water to 77 percent of the population by the year 2000. Currently, Malawi has 7,500 drilled boreholes and 3,500 protected handdug wells, most of which are equipped with handpumps. However, despite substantial investment of manpower and financial resources in maintenance, it is believed that 30 to 40 percent of these units are out of order at any given time, with severe consequences to the users. The present access rate to safer groundwater supply is estimated at 25 percent; and 1.9 million rural inhabitants still have to be adequately served from groundwater. The situation is further compounded by the population growth in the rural areas which at present is in the order of 300,000 persons per year. Satisfying the water demands of the population inadequately served and the increased population at a coverage level of 58 percent (current nominal rate) will necessitate a total of 8,300 functioning boreholes. The Government has therefore determined that the most cost-effective way to respond to the demand for groundwater will be to rehabilitate 2,500 non functioning boreholes and to equip them with the new Malawi manufactured VLOM AFRIDEV handpump.

Description of project

The project will rehabilitate 1,000 boreholes in the Southern Region of Malawi, equip them with locally manufactured AFRIDEV handpumps and organize 250,000 beneficiary villagers to operate and maintain them. Its implementation will be carried out in three phases. During the "preparatory phase' (nine months) the project team will review the results of the Water Department's survey of areas where there is a need for borehole rehabilitation and the linkages between water supply and sanitation activities with the concerned communities. It will establish the needs for rehabilitation in consultation with the villagers and pre-select the

1/ This Fact Sheet reflects the status of the project/revision at the time it was approved by the Action Committee; modifications to the project/revision may have occurred subsequently.

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locations of the boreholes to be rehabilitated; assess the willingness and readiness of the concerned communities to operate and maintain the handpumps and evaluate their need for organisation. The project will proceed to determine which type of maintenance system to apply and train extension workers who will be entrusted with community mobilisation and organisation.

In the process of community mobilisation, the responsibilities and obligations of all parties will be defined and agreed upon the needs for community training established and agreements for rehabilitation signed with the beneficiaries. On the basis of these agreements and criteria to be jointly decided upon by the project management and the Water Department, the final selection of boreholes will be made. The project will establish detailed plans for borehole rehabilitation. prepare tender documents and award two equal drilling contracts to (a) private firm(s) to be selected through international competitive bidding. During the "operational phase" (30 months) 500 boreholes will be rehabilitated per year and community organisation for VLOM undertaken in the villages concerned. Community mobilisation and organisation will continue after the rehabilitation work and the pump will be installed only after the necessary funds to cover the purchase of minor spare parts ar raised by the village pump committee. The "monitoring phase" will start in each village immediately after the completion of the rehabilitation and community organisation and will last six months. The monitoring system to be designed will allow for measurement of the sustainability and impact of the project activities.

Inputs

The Government will provide the services of a National Project Director, an Assistant Project Manager, a Maintenance Adviser, two drilling supervisors, two junior drillers and three civil works supervisors, a Sanitation and Health Coordinator, 20 extension agents; office space and equipment, training materials; and resources for operation and maintenance. UNDP will finance the services of a consultancy firm to prepare tender documents and supervise the works, training, internal travel and operation and maintenance costs. UNCDF will pay for the drilling contract(s), technical review missions, vehicles and agency and administrative support costs.

Financial data

	UNCDF	UNDP	Government
	$	$	$
Personnel			418 400
Subcontracts	3 747 000	960 000	-
Internal travel/Vehicles	460 000	95 000	
Office space & equipment		41 000	69 500
Training		110 000	11 500
Operation & maintenance		32 000	280 900
Reviews/evaluation	40 000		
Support costs	127 000		
Contingencies	425 000		78 100
Total	4 799 000	1 238 000	858 400

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